US Army Corps of Engineers

HEADQUARTERS ENGINEERING & CONSTRUCTION NEWS

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FEBRUARY-MARCH'S THEME:

National Engineers Week

DWIGHT'S NOTES

As we celebrate National Engineers Week, I hope each of you have taken the time to get involved with this great tradition. This year's celebration is of particular note to USACE engineers since it marks a time of renewed emphasis on maintaining our reputation as a world-class engineering organization. This year's theme for National Engineers Week is "Without Engineers -- The World Stops." At Headquarters our celebrating starts with a program for all HQUSACE employees led by LTG Robert B. Flowers, Chief of Engineers, and Thomas Creamer of NAD speaking on "Corps Involvement in Recovery Efforts on September 11". After the program the HQ engineers sponsored an open house for all Headquarters personnel. The next day HQUSACE and local Army engineer units hosted Dunbar High School's leading students for a series of programs and field trips. This special issue of E&C News highlights your investments in National Engineers Week.

The Corps reputation with the design and construction industry is getting better each day as we continue to partner with them on a frequent basis. Our relationship with the private sector is very important. We depend on the private sector for the majority of our engineering services and for almost all of our construction services. In addition we learn a great deal from each other through these public/private partnerships, making both sectors stronger from this synergy. The Corps has helped our great Nation become the world's engineering leaders from the day It was founded. Let's continue to lead by celebrating National Engineers Week every week and by being the best engineers we can possibly be day in and day out.

Essayons!

Dwight

(Editors' note: If you want to share your thoughts with our readers regarding Dwight's Notes send an email to the E&C News editor (charles.pearre@usace.army.mil). A synopsis of your comments will be published in the next issue.)

ARTICLES

THIS PUBLICATION WILL BE ISSUED ON A MONTHLY BASIS AND DISTRIBUTED BY E-MAIL AND POSTED ON THE INTERNET AT HTTP://WWW.USACE.ARMY.MIL/INET/FUNCTIONS/CW/CECWE/NOTES. IF YOU WOULD LIKE TO CONTRIBUTE ARTICLES OR HAVE SUGGESTIONS FOR FUTURE ARTICLES, PLEASE CONTACT CHARLES PEARRE, CECW-EP, 202-761-4645.

National Engineers Week

NATIONAL ENGINEERS WEEK

National Engineer Week 2002 is 17-24 February 2002. Our field offices are putting out an awful lot of effort to make this a most memorable time, not only for the students from our schools, but also for all those engineers who work for and with us.

But National Engineer Week is not just a time for celebrating our achievements and to mark the passage of another year. For some of the students that attend our events, National Engineer Week will be the beginning of that long journey from student to registered engineer. A journey that, for a lot of us old timers, began three or four decades ago.

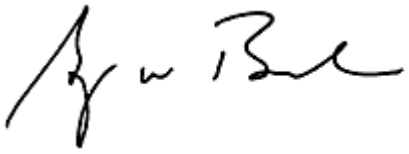
For these future engineers, the road to accomplishing their goal is a long one. There are few road maps, few signs and next to no place to stop and rest along the way. But for those who finish, their lives will never be the same. And because of them, the lives of future generations will be more rewarding and better than those that came before.

So when National Engineer Week is over this year, instead of putting it aside until next year and moving along to something "really important", how's about taking a moment and reach out to one or maybe two of these students. Point them in the right direction. Show them some of the old enthusiasm that you had when you first started your journey so many years ago.

As the former Chief of Engineers, LTG Henry Hatch, P.E., said in his 2002 Message for National Engineer Week: "The celebration will enable our nation to not only recognize the history of engineering and its successes, but will also provide a catalyst to encourage our younger generation to pursue the 'world of engineering."

President George W. Bush issued the following message concerning National Engineers Week:

> *I am pleased to send warm greetings as you recognize National Engineers Week.*
>
> *Americans have always been innovators, pioneers, and explorers. Through their work, engineers play an important role in carrying on this tradition. They provide the design and structure that enable new ideas to become tangible benefits to our society. Engineers help expand our horizons, from planning essential infrastructure for the growth of our cities to finding better ways to preserve America's beautiful wilderness for future generations.*
>
> *I commend the professionals, teachers, and students participating in National Engineers Week. This week's activities will showcase the interests and talents of America's engineers and provide inspiration for our young people to set high goals and work hard to achieve them.*
>
> *Best wishes for a successful week.*



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NATIONAL ENGINEERS WEEK ACTIVITIES ROUNDUP

Founded in 1951 by the National Society of Professional Engineers, National Engineers Week is celebrated annually by thousands of engineers, engineering students, teachers, and leaders in government and business. The National Engineers Week consortium includes more than 100 engineering, scientific, and education societies, and major corporations dedicated to increasing public awareness and appreciation of engineering. Co-chairs for 2002 are the American Society of Civil Engineers, celebrating its 150th anniversary, and DuPont, celebrating its 200th anniversary.

Increasingly, National Engineers Week has focused on sharing the importance of engineering with young people. The National Engineers Week Committee believes that the sooner young people

consider engineering as a viable career option, the earlier they can begin to make educational choices -- such as taking sufficient math and science courses in middle and high school -- that will allow them to pursue engineering and technical studies in college.

As part of that effort, National Engineers Week 2002 activities feature two exciting youth initiatives. **ZOOM into Engineering,** aimed at 6- to 11-year-olds, is a new program designed in conjunction with the popular PBS television show "ZOOM" that explores many fascinating facets of science and engineering. A train-the-trainer seminar in Washington on October 15, 2001 mobilized more than 100 engineers now fanned out across the country to train others to teach the program at schools, libraries, technology museums, and other public venues. To assist engineers in the program, WGBH Boston and National Engineers Week have produced 7,000 ZOOM into Engineering toolkits, each containing an activity guide, CD-ROM, and video that offer intriguing glimpses into the world of engineering with simple and fun experiments, insights on teaching this age group, and tips on how to organize workshops and events.

The other major youth program is **Introduce a Girl to Engineering Day**, now in its second year. In 2001, Introduce a Girl to Engineering Day became the first career outreach day to showcase a single profession. Last year, the program reached hundreds of thousands of girls with more than 90 participating partner organizations. In 2002, the program has the support of more than 100 organizations that hope to mobilize at least 10,000 women engineers who, with their male colleagues aim to reach one million girls. Planned for February 21, 2002, Introduce a Girl to Engineering Day is led by National Engineers Week co-chairs DuPont and ASCE, along with the Society of Manufacturing Engineers Education Foundation, IBM's Women in Technology, Agilent Technologies, Inc., Compaq Computer Corporation, the National Society of Professional Engineers, Society of Women Engineers, Women in Engineering Program Advocates Network, MentorNet, Girl Scouts USA, and the National Academy of Engineering's Celebration of Women in Engineering.

And that's just the start. Other important National Engineers Week activities include:

• The **National Engineers Week Future City Competition™**, entering its 10th year, expands from 25 to 29 regions across America. The competition asks middle school students, working under the guidance of teachers and volunteer engineers, to build computer and three-dimensional scale models of cities of tomorrow. They must also defend their designs to a panel of engineer judges at the competition and research and write essays. Students begin in the fall and compete in regional competitions in January. Winners then go to national finals in Washington on February 19 and 20. Regional sites include Albany (New York), Buffalo, Northern California, Southern California, Chicago, Colorado, South Florida, Hampton Roads (Virginia), Indiana, Iowa, Kentucky, Las Vegas, Massachusetts, Michigan, Milwaukee, Minnesota, New York City, Northern Nevada, Ohio, Oklahoma, Omaha, Philadelphia, Phoenix, Pittsburgh, St. Louis, Texas-Fort Worth/Dallas, Texas-Houston, Washington, D.C., and Washington State. For more information, visit www.futurecity.org.

• National Engineers Week supports the unique online **"Sightseers Guide to Engineering" at www.engineeringsights.org,** which debuted on February 18, 2001. The site, created by the National Society of Professional Engineers, celebrates all things engineering in all 50 states. It encourages the public to recognize the engineering achievements around them and understand their importance in everyday life, and welcomes additional entries.

• The National Academy of Engineering will present the $500,000 **Charles Stark Draper Prize**, the profession's highest honor for engineering achievement and innovation, at a black-tie dinner at Washington's Union Station on February 19. A new prize, the $500,000 **Bernard M. Gordon Prize for Innovation in Engineering and Technology Education**, will also be awarded. In 2001 the Draper Prize went to the founders of the Internet: Drs. Robert Kahn, Vinton Cerf, Lawrence Roberts, and Leonard Kleinrock. (The inaugural, $500,000 Fritz J. and Dolores H. Russ Prize, awarded biennially, went to Wilson Greatbatch and Earl Bakken, who engineered the first human heart pacemaker. For more information about the NAE and its prizes, visit www.nae.edu/awards.

• The **Chinese Institute of Engineers (CIE/USA)**, joining National Engineers Week as a sponsor in 2002, will announce the Asian American Engineer of the Year at an award banquet in Dallas on Saturday, February 23. This is the first national level award program to be sponsored by the Institute in conjunction with National Engineers Week.

• **www.discoverengineering.org**, a Web site developed, sponsored, and launched during National Engineers Week 1999 by that year's co-chair, Eastman Chemical Company, educates middle school students with information about what engineers do and how to become one. The site, praised by the *Los Angeles Times* and *Newsday*, among others, offers comprehensive information on the engineering of nine "cool things" -- including CD players, roller coasters, high performance sporting goods, and cars -- general background on careers in engineering, games, downloadables, and hundreds of links to corporations, engineering societies, and other resources.

• A **Drive-Time Radio Tour**, featuring a spokesperson from the American Society of Civil Engineers and highlighting ZOOM into Engineering, Introduce a Girl to Engineering Day, and the Future City Competition, will be broadcast in dozens of cities across the country during National Engineers Week.

• **Discover "E,"** a nationwide program of 40,000 engineers helping more than five million elementary, junior and senior high school students discover practical applications of math, science and technology with hands-on activities through school and extracurricular programs.

• **Engineering Goes Public** where hundreds of libraries, science/technology centers, engineering project sites, and local malls -- in conjunction with the Boy Scouts, Girl Scouts, Boys and Girls Clubs, and the Junior Engineering Technical Society -- host **Engineering Day** to educate the public during National Engineers Week.

• **National Technological University** sponsors the 13th annual "Discover Engineering!" telecast on Wednesday, February 20 from 1:00 to 2:00 PM Eastern, a live satellite broadcast to introduce engineering to fifth- through eighth-grade students. "Discover Engineering!" will be a fast-paced look at an engineer's typical day, the engineering behind certain toys, robotics, and engineering for the future. Upwards of 400,000 students have watched the program live in past years, and as many as eight million viewed it afterwards on tape. More information is at www.ntu.edu/de2002.

• For more information on National Engineers Week call (703) 684-2852.

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NSPE FEDERAL ENGINEER OF THE YEAR AWARD

On Friday, 18 January, at the National Press Club in Washington, DC, the Corps of Engineers participated in the Federal Engineer of the Year Award Ceremony, which is sponsored by the National Society of Professional Engineers (NSPE). The winners of various governmental agency competitions were presented, and the overall winner of the NSPE Federal Engineer of the Year was announced at the ceremony.

Kenneth W. McDonald, P.E., PhD, Deputy Director of Base Operations, 19th Theater Support Command, Camp Henry, Korea, was honored as the 2002 Federal Engineer of the Year by the National Society of Professional Engineers (NSPE).

The Corps of Engineers civilian winner of the 2002 award was Dr. Edward Middleton, the Chief of Engineering in the Jacksonville District. Military winner of the Corps award was Major Paul Baker, whose award was based on his work in the Far East District.

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MISSISSIPPI VALLEY DIVISION 5TH ANNUAL "SALUTE TO ENGINEERS"

The 2002 National Engineers Week (E-Week) 5th Annual "Salute to Engineers" video teleconference will be broadcast 19-22 February, from the Graduate Institute at ERDC. The Mississippi Valley Division, Public Affairs Office, developed and incorporates this event with the E-Week activities that are held in Vicksburg. PAO partners with Mississippi ETV's Star Schools Interactive Video Network (IVN). IVN is made possible through a federal grant that provides video teleconferencing in schools throughout our state. As a result, MS is one of our nations leaders in telecommunication technology.

The Star Schools Network has over 140 IVN sites (including 100 high schools) statewide with a system in almost every county in MS. The two-way video network makes live interaction between sites an incredible education tool. This medium is also a great marketing tool. "Salute to Engineers" is designed to encourage junior high and high school students in our state to consider the challenging field of engineering as a career choice.

The groundwork of E-Week begins with recruiting engineers from local, state, and federal levels. A new panel of 4-6 engineers is formed for each day during E-Week. The engineers basically "sell" the idea of a career in engineering during hour-long VTC's with schools across the state. We present a wide variety of disciplines, combined with a diverse and personable panel of engineers, that peaks student interest. The students ask numerous questions and discuss many issues with the panelists. These students are beginning to consider careers and this presents the perfect opportunity to highlight our activities.

Because of school class scheduling and the shear number of Star Schools in the state, we hold IVN's throughout the entire week, with one or two sessions per day. Recruiting engineers is quite easy. Many engineers ask for a repeat chance to participate each year. In addition, Vicksburg has the distinct recognition of having more engineers per capita than any other place in the world.

Each year PAO creates a packet of information about E-Week. Included in the packet are an event flyer, scheduled list of speakers and a registration form so the schools can register. The sheets are faxed to each school. Additionally, MS ETV announces E-Week events in their monthly newsletter to the schools. Schools register directly with MS ETV. ETV coordinates the logistics of the VTC and automatically connects the schools and our panels for their session.

This event is also recognized by the National Engineer Week Headquarters and is advertised on the national web page.

This project has been a great success. Hopefully new careers in engineering have been launched from the information that was given and from the enthusiasm displayed by our panels.

Distance Learning is a vital part of today's educational tools, especially considering the extended range in location and the number of potential students that can be targeted. The MVD Public Affairs Office actively pursues projects and promotes its use whenever possible.

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STUDENT OUTREACH AT SACRAMENTO DISTRICT

Sacramento District has a very active program with local schools and universities to increase interest in the engineering profession and heighten awareness of the Corps' programs and career opportunities. In recognition of "National Engineer Week", we would like to share some information on two of those programs.

Adopt-a-School Program -- The Sacramento District "Adopt-a-School" program started in 1982 when one of our supervisors was sitting with his son's high school math teacher. She was lamenting the fact that it was hard to convince the students that they would use calculus in their professional careers. He realized that engineers actually do use math on a daily basis and a few could talk to the students about that on a regular basis. So, through the auspices of the Kennedy High School Math Department, the "local Corps of Engineers" (as we are known on campus) have made regular, monthly, after-school presentations. Because the math teachers give credit equal to one homework assignment if a student takes notes and turns them in, we get upwards of 90 students on a typical Tuesday afternoon. The presentations often include slides, Power Point images, overhead projector diagrams, charts and graphs, equipment, apparel, and videotapes. We usually cover high school and college experience plus work in and out of the Corps.

We also participate with local middle schools (6^{th} –8^{th} grade) in their annual "Career Fairs". The schools organize this event. We provide speakers, along with 20-30 other businesses and government agencies around town. It starts with a free continental breakfast in the school library. Then each of 40 speakers will be stationed in all classrooms. The students rotate through their usual class schedule and get to hear 5-6 different presentations. The presenters stay put-which helps with show-and-tell types of equipment. This all happens on a shortened day schedule so the students only have to sit through 25-minute talks.

Given the September 11^{th} experience, the latest request from the schools is to include in our talks a few sentences about what the Corps does for public safety. The teachers want the students to hear that there are many organizations doing much to keep us all safe and healthy. They hope lots of little messages will add up to a lot more comfort. It may not be dramatic, but it's important. So we'll mention levee repair, dams for flood control, emergency response in support of FEMA, etc. Even if it isn't a regular part of our talks.

Engineering a Head Start Program -- The "Engineering a Head Start" Program is a cooperative effort between the Sacramento District and Charles M. Goethe Middle School in Sacramento. It is

designed to give students a first-hand understanding of the workplace, as well as make them aware of the need for mathematics, science and social skills, both in the classroom and in the professions.

The Corps of Engineers provides the opportunity for a group of 8th grade students to participate in the work it does. It is not just two days of following a Corps employee around in the office or field, but includes actual assignments that directly relate to real Corps work.

The genesis of the program started in December 1993 with a call to the Superintendent of Schools for the Sacramento Unified School District. Discussions lead to Goethe Middle School being selected to participate in the program. In February of 1994, the Corps interviewed 105 students that had applied for 58 positions that were being offered that first year.

Now in the eighth year of the program, the program coordinator solicits input each fall for any changes or additions to job descriptions from each division that participates in the program. Once the job descriptions have been updated for the school, the coordinator sets up a date to meet with the school and the students. The Corps provides them with an educational program on how to complete a professional resume, the do's and don'ts of going through an interview process and how to apply to the Engineering a Head Start Program.

The students are given a few weeks to put together their resumes and apply for one of the 80 jobs being sponsored. The coordinator returns to the school with an interview team. We generally have approximately 300-400 students to interview for those 80 positions. The students selected then spend two days with a Corps sponsor and are provided job assignments that directly relate to the positions they applied for.

While the majority of the students work within the District Office, a few will have the opportunity to work in the field, one of the resident valley offices, or park facilities. This year's program dates are March 6 & 7. On the final day of the program, each student "graduates' and receives a special recognition for participating in the program.

The program has been in existence long enough that rewards are already being reaped. Several previous participants have come back to state that the resume and interview experience gave then an edge over other applicants in being hired for their first job. Students can actually see the types of skills they will need to help them with a career in the future. The Corps of Engineers willingly extends this helping hand to enable them to find stepping-stones to a bright future.

Over the years, the local news stations have met with the program coordinator and the Principal at Goethe Middle School. About 4 years ago, a Sacramento television station aired a twenty-minute documentary on the event and the rewards for the local youth. They emphasized that this program has helped our community's youth get a Head Start on their futures. They have been given an opportunity to be prepared and confident in their experiences when they speak to their first employer. This news video is available upon request. Below are some pictures of students as they actually work with their Corps sponsors.

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District of the Month

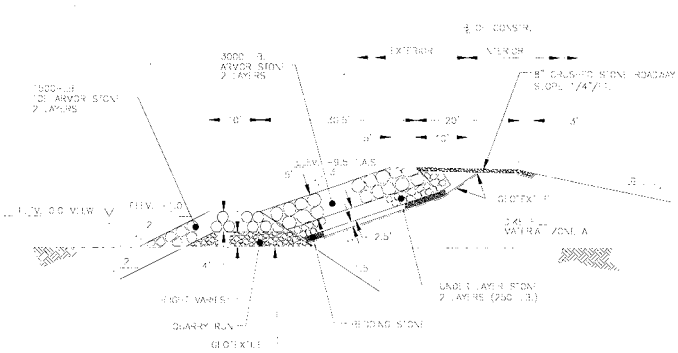
THE BALTIMORE DISTRICT

Headquartered adjacent to Baltimore's Inner Harbor, the Baltimore District team of nearly 1,300 employees manages a large and diverse workload. Through the execution of Military, Civil Works and Support for Others programs, Baltimore District provides design, engineering, construction, environmental and real estate expertise to a variety of important projects and customers. This support spans across five states, the District of Columbia, and across the Susquehanna, Potomac and Chesapeake Bay watersheds. The following articles highlight some of the district's work.

Protecting, Restoring & Creating Habitat -- Poplar Island Environmental Restoration Project -- Poplar Island Environmental Restoration project is Baltimore District's largest beneficial use project. It incorporates protection, restoration and creation of aquatic and ecologically related habitats through the use of clean dredged material from authorized Federal navigation projects. Baltimore District is responsible for operating and maintaining 126 miles of Federal navigation channels that serve the Port of Baltimore. The channels are maintained through periodic dredging and occasional deepening and widening projects. The Baltimore District, in cooperation with many State and Federal agencies and private organizations, actively plans and develops beneficial uses of dredged materials.

Aerial Photograph of Poplar Island Environmental Restoration Project in Chesapeake Bay taken September 2001

The Poplar Island Environmental Restoration project, located in the upper middle Chesapeake Bay, involves constructing dikes around the approximate limits of the island's 1847 footprint, and filling the enclosed area with clean dredged material from the Baltimore Harbor approach channels. In 1847, the island exceeded 1,000 acres. Overtime the island had eroded and split into four separate islands collectively known as Poplar Island. These islands together totaled 5 acres in 1996, prior to the start of construction.



The construction of the dikes for the project was divided into two parts. The northern portion, approximately 60 percent of the total acreage, was completed in 1999. The southern 40 percent of the project is currently being constructed and will be essentially complete by the end of 2001.

The perimeter dike is approximately 38,000 feet long and encloses an area of 1,140 acres, half of which will become tidal wetlands and half will be upland habitat. The tidal wetlands consist of 80 percent low marsh and 20 percent high marsh. All of the uplands half of the project will eventually be constructed to +20 feet mean lower low water (MLLW).

The depth of water along the perimeter dike ranges from 2 to nearly 10 feet. The projected site capacity is 33 million cubic yards, which is expected to be placed over a period of 14 years. Tidal wetlands are planned to be completely established by mid-2007.

The dike section consists of a typical sand dike section having 3H: 1V external slopes armored with large stone and 5H: 1V interior slopes. The dikes are constructed from on-site sand borrow materials. The western and northwestern side of the site have the greatest depth of water and a fetch over 24 miles; thus, requiring the largest armor stone for slope protection (3,000 lb.). The eastern segment of the dike has shallow depth of water and the most protection due to remnant islands and proximity to the mainland, requiring the smallest size armor stone (250 lb.).

To break up wave energy and facilitate the construction of the sand dike and armor layers, a rock toe dike was constructed first. The trapezoidal rock toe section has a 10-foot wide crest at elevation +1.0 feet and consists of a double layer of 2,000-pound armor stone overlying a quarry run stone core. Typical sand dike slopes are armored with a double layer of 3,000 or 4,000 pound armor stone on a double layer of 250-pound stone. To cushion the geotextile on the sand slope from the 250-pound stone, a layer of bedding stone was also placed.

Construction of Phase 2 Poplar Island is scheduled to be complete December 2001. Baltimore District is currently working on feasibility studies for expansion of Poplar Island and other similar beneficial use island projects.

Environmental Remediation Resident Office (ERRO) -- This office is located in Edgewood, Maryland serves as the field representative of Baltimore District with responsibility for execution of HTRW remediation programs. Military HTRW programs conducted under the Defense Environmental Restoration Program (DERP) include the Base Realignment and Closure Environmental Restoration Program (BRAC-ER), the Installation Restoration Program (IRP) and the Formerly Used Defense Sites (FUDS) program. CERCLA and RCRA cleanup projects and enforcement oversight are also conducted for EPA Region III. Some of the current remediation projects are briefly mentioned below.

Lauderick Creek Chemical Warfare Removal Project, Aberdeen Proving Ground, Edgewood Area, Maryland (IRP) -- The Lauderick Creek Project Site is located along the northeast boundary of the Edgewood Area of Aberdeen Proving Ground, Maryland. The site consists of 453 acres and served as a training area for firing of chemical munitions, identification of chemical agents and

decontamination of personnel and equipment. This project is performed under the authority of the Aberdeen Proving Ground Installation Restoration Program. The goal is to remove unexploded chemical munitions from training areas utilized by the Army Chemical School from 1920 through 1950. The Department of Army Safety Office and the Department of Defense Explosives Safety Board approved an extensive Site Safety Submission in June 2000. This plan details all work procedures and equipment utilized to ensure worker and public protection from onsite hazards.

Intrusive work commenced on June 27th, 2000. To date, 187 out of 530 grids (60 m x 60m) have been completed and over 5200 subsurface items have been removed. Intact munitions discovered to date include three Livens Projectiles, thirty 4.2" Mortars, one 4" Stokes Mortar and numerous other intact and expended training items. Most items have been filled with smoke or white phosphorus and no CWM has been discovered to date. Anticipated completion is spring 2003.

Fort Ritchie OE Removal (BRAC-ER) -- Fort Ritchie was designated for closure under the Base Realignment and Closure (BRAC) in March 1995 with actual closure in September 1998. The Military District of Washington contracted with the U.S. Army Corps of Engineers (USACE) to support the BRAC environmental restoration and property transfer programs. USACE contracted with IT Corporation to safely and efficiently locate and remove conventional unexploded ordnance (UXO) from a total of approximately 208 acres at Fort Ritchie.

Intrusive operations began in June 2001 and are expected to continue into 2003. A combination of digital geophysical mapping (DGM) and the standard "mag & flag" approach are used to identify metallic anomalies for excavation. UXO Items which have been found include: 3-inch sand filled stokes mortars both fused and unfused, 81mm mortars, 60mm mortars, 2.36-inch rockets, 37 and 57mm projectiles, Type 89 58mm Japanese mortars and 5cm German bombs. Some safety measures include exclusion zones, limited access, evacuations, road closures, security guards, radio communications and other engineering controls. As of the end of October 2001, roughly 30,000 anomalies have been located and accessed; approximately 2,000 pounds of OE scrap and 10,000 pounds of non-OE scrap have been recovered. Approximately 40% of the original 208 acres have been cleared for less than budgeted costs. The areas where significant UXO concentration is anticipated will be investigated this fall and into 2002.

Area B-11 Disposal Pits Removal, Ft. Detrick, Maryland (IRP) -- Ft. Detrick, located in Frederick County, Maryland is an active U.S. Army installation operated under the U.S. Army Medical Command. Fort Detrick is divided into three noncontiguous tracts of land (Areas A, B and C). The Disposal Pits in Area B-11 are reported to have received various types of waste chemicals from Fort Detrick, the U.S. Bureau of Standards, and Walter Reed Army Medical Center, during the period from 1955 to 1970. These pits were reported to be 15 feet deep, 12 feet wide, and 20 feet long.

Several investigations were performed to identify environmental contamination at Fort Detrick that might require clean-up action. Three test trenches were excavated during 1997 field investigations in Area B-11. Of the three trenches only one, TRB-1, revealed the presence of chemical wastes. Soil samples collected from the trench were found to contain numerous metals and organic chemicals, predominantly below USEPA Region III risk-based concentrations. Groundwater has been found to contain solvents, primarily trichloroethene (TCE) and tetrachloroethene (PCE), in the area of the disposal pits. It is assumed that the source of this contamination is the material in the disposal pits.

The goal of this Task Order is to remove all waste materials and co-mingled soils from the three Area B-11 Disposal Pits (totaling ~ 100 sq yds) within the frozen soil barrier and leave remaining potentially contaminated soil beyond the barrier in place. The frozen soil barrier, established using soiling freezing technology, will encompass all waste materials within the pits.

Operations are underway at the Area B-11 site for Pit 1 clean up. The site has four pits of which pit 1 is the largest. Removal efforts are focus on removing buried drums that contain PCE and TCE liquids currently contaminating the ground water. Clean up efforts for Pit 1 are expected to run in to the early spring time frame.

Harrisburg Area Office -- The Harrisburg Area Office is one of 4 construction area offices in the district. It is located at New Cumberland Army Depot in Pennsylvania. The office manages contracts over the entire state of Pennsylvania.

U. S. Army Reserve Regional Headquarters -- Built under the oversight of the Harrisburg Area Office is the newly completed training center, which is part of the $26 million headquarters complex for the U. S. Army Reserves' 99th Regional Support Command, located in Pittsburgh, Pennsylvania. The training center is 128,000 square feet and includes a medical clinic, assembly hall, kitchen complex, library, offices, conference rooms, classrooms, and storage areas. A three-story atrium is the main architectural feature of the building. The complex also houses a 13,700 square-foot vehicle maintenance shop, a 2,800 square-foot unheated storage building, a deployable medical system (DEPMEDS) training site, vehicle and equipment parking areas, and several access roads. The structure of the Training Center and maintenance shop consists of structural steel, concrete block walls and concrete floor slabs, with a brick and stone veneer and standing seam metal roof.

The complex will be home to a headquarters staff of 400 full-time personnel and up to 800 weekend reservists. The 99th Regional Support Command oversees the activities of more than 22,000 soldiers in 190 military reserve units in Pennsylvania, Virginia, West Virginia, Maryland, Delaware and the District of Columbia.

Wyoming Valley Levee Raising – Market Street Bridge Closure -- As part of a Harrisburg Area Office $32 M contract for the Mechanical/Electrical Upgrades of Pump Stations along the 15 miles of levee in Wyoming Valley, Pennsylvania are closure structures for the Market Street Bridge in Wilkes-Barre Pennsylvania. In addition to this contract, Fru-Con also did the Swoyersville/Forty Fort Segment of Levee Raising and Floodwall. The Market Street Bridge Closure Structures were successfully completed in a narrow and demanding timeframe between the 5th of July and the 27th of August 2001. Crews from Fru-Con, and their subcontractors kept up a 24/7 pace to complete the $1.5 million foundations for the two closure structures located at each end of the bridge. Because of the size and depth of excavations, and the need to access the area with sheet piling, concrete placement, and other equipment, the PDT for W Valley, working closely with their local sponsor, PADOT, and local governments, arranged for the complete closure of this major traffic artery. The foundations are 12' deep, 26' wide, and up to 290 feet long. Approximately 3700 CYs of concrete was placed.

Some of the challenges encountered/ overcome include:

- Working around a fiber optic communication line during construction - if damaged the outage would have cost $2 million dollars for the first 2 minutes of interruption.
- Working around the clock 24/7.

- Encountering some underground surprises including, turn-of- the-century utilities, trolley tracks, cobblestone streets, concrete light standards used as cribbing, wooden duct bank.
- Trespassers including a drunk, a potential jumper, a prostitute, and others who just wanted to cross the bridge.
- A threatened concrete truck driver's strike, which was thankfully settled at the last minute.

In order to pull this off, we needed the full cooperation of all the local governments, PADOT, our contractor, and the EN folks who designed the project. All of these partners worked together to avoid delays, overcome obstacles, and make timely changes to keep the operation on schedule. A special thanks to those who worked in the wee hours of the morning, on weekends, and through the heat and rain.

Capital Area Office -- The Capital Area Office (CAO), began as the Northern Area Resident Office under the Norfolk District. In 1972 the Resident Office was transferred to the Baltimore District and in 1973 officially became the CAO. The CAO is located at Ft. Belvoir, Virginia and has one of the most unique missions in the Baltimore District. The Civil Works mission has required the CAO's presence as far south as Colonial Beach in Fredericksburg and encompasses areas northward along the C&O Canal to West Virginia. The Support For Others program has the CAO involved in high profile projects throughout the metropolitan area of the District of Columbia that includes the General Accounting Office, The John F. Kennedy Center for the Performing Arts, The National Holocaust Museum, The Korean War Memorial, the Bureau of Engraving and Printing and the Washington Marina. The CAO has been involved with projects for the Architect of the Capitol and the National Park Service. The CAO's Ft. Myer Resident Office administers work at Arlington National Cemetery, Ft. Myer and Ft. McNair that includes projects at the National Defense University and is currently managing the water treatment plant upgrades at the Corps' Washington Aqueduct Division. On the home front at Ft. Belvoir the CAO has administered projects from the multi-million dollar home for the Defense Logistics Agency and Defense Contract Audit Agency to projects such as renovating family quarters, community clubs and the post bowling center. The CAO has even managed work on the international front for the German Embassy at Dulles International Airport.

Central Washington Area Office -- This office was established in 1998 in response to an urgent need to address failing school infrastructure in the nation's capitol. Years of neglect, coupled with some of the oldest school facilities in the country, had led the fire department to prevent the schools from being opened. Schools had water leakage, failing heating, asbestos and other hazardous material contamination, did not meet life safety codes and were simply crumbling. The Corps of Engineers was tasked to use their expertise to assist the District of Columbia Public Schools (DCPS) to address these problems.

For the last three years, the Corps and DCPS affected emergency repairs to keep the facilities in operation. The magnitude of the repairs was enormous - hundreds of contracts and tens of millions of dollars of repairs. The repairs were prioritized like a trauma scene - comfort and cosmetic issues getting low priority, health and safety issues getting top priority. Since the Central Washington Area Office was established, **all** 147 schools in DC have been able to open on time in September, unlike previous years.

While the emergency repairs were being addressed, DCPS established a master plan to modernize the school system. The plan established a framework for the replacement or total refurbishment of every school in the District. The plan prioritized the facilities, providing a list of the first 50 schools to be

modernized, and establishing a rough budget for the undertaking. The first twelve schools were approved by the Board of Education for construction. These schools are now on an accelerated schedule to bring relief to the District students.

Conclusion -- Unique missions create unique teams. The personnel at the Baltimore District are such a team and continue to enhance the Corps tradition of Essayons – let us try!

POC'S: STANISLAW P. GENBICKI, JR., CENAB-EN, 410-962-4660
AND GEORGE O. LEA, JR., CENAB-CO, 410-962-3031

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Update

ARMY GENERAL FREDERICK CLARKE

Lt. Gen. Frederick J. Clarke, former District of Columbia Commissioner and Chief of Engineers of the US Army Corps of Engineers died on 4 February 2002 at his home at the Fairfax Army Retirement Home, Ft. Belvoir, VA. He was 86.

Lt. Gen. Clarke was the Army Chief of Engineers from 1969 to 1973 and responsible for worldwide Army civil and military construction including wartime engineer work in Vietnam. During his tenure he guided the Corps as it devoted increased attention to the environmental impact of its work in navigation, flood control, and other civil works activities. With the advent of the Environmental Policy Act of 1969, he led Corps in its evaluation of some 600 Corps projects and established the Corps' Environmental Advisory Board composed of eminent environmental leaders. He also guided the Corps' construction efforts in Saudi Arabia, which ultimately rose to a 12 billion dollar program.

Prior to being appointed Chief, he had served as the commanding general of Ft. Belvoir, Va., then the home of Army Engineers, and as the Engineer Commissioner of the District of Columbia. President Eisenhower appointed him as a commissioner in 1960. He served in both the Eisenhower and Kennedy administrations from 1960 to 1963. He represented the District in the first negotiations with Virginia and Maryland leading to the Compact Agreement for Metro construction. As Chairman of the Zoning Commission, he participated in the many discussions of the day over whether highways or subways would prevail and in the debate over the Three Sisters Bridge. He supervised the emergency city snow removal on the morning of President Kennedy's Inauguration.

During World War II Clarke commanded a battalion of the 38th Combat Engineers during the construction of the military airfield on Ascension Island in the South Atlantic. The airfield served as a key refueling spot for aircraft ferried to support the North African and Italian campaigns. He then served as a logistics planner on Gen. George C. Marshall's staff supporting the Allied efforts in the European and Pacific Theaters. He was an early developer of the concept of what came to be the "Red Ball Express," the logistical effort to support a beachhead in Europe. As the War in Europe ended, he was deeply involved in redirecting the flow of supplies to the Pacific.

After the war Clarke commanded the Hanford, Washington site that produced plutonium for the early atomic weapons. He then served as the executive officer of the Armed Forces Special Weapons Project at Sandia Base, Albuquerque, New Mexico. He was the District Engineer of the Trans-East District of the Corps of Engineers in 1957-59. There he was responsible for U.S. military construction

in Pakistan and Saudi Arabia, and for initial planning for transportation surveys in East Pakistan and Burma.

Throughout his military career, Fred Clarke was known for his open, low-key decision-making. One contemporary referred to him as "the only genius I have ever met with perfect common sense".

Upon his retirement from the Army in 1973, he was appointed as the Executive Director of the National Commission on Water Quality. Chaired by Vice President Nelson Rockefeller, the Commission evaluated the benefits and costs of cleaning the nation's waters. From that period until 1983 he advised the architect and engineering firm of Tippetts-Abbett-McCarthy-Stratton on resource development.

Lt. Gen. Clarke was a member of the National Academy of Engineering, a past President, Honorary Member and Fellow of the Society of American Military Engineers, President of the Army Distaff Foundation, and a member of the Army-Navy, Chevy Chase, and Cosmos Clubs. He was the Honorary Colonel of the Engineer Regiment, and held the Army's Distinguished Service Medal with Oak Leaf Cluster, the Legion of Merit, and the Gold DeFleury Medal of the Engineer Regiment.

He was born in Little Falls, New York, in 1915, where he became that town's first Eagle Scout. He graduated fourth in his class of 1937 at West Point, and received a master's degree in engineering at Cornell.

Lt. Gen. Clarke is survived by his wife of over 63 years Isabel Morrison Van Slyke Clarke of the Fairfax Retirement Home at Ft. Belvoir, Va.; three children, Warren E. Clarke of Newton, Mass., Isabel Clarke Stevens of Alexandria, Va., and Nancy S. Clarke of Verona, N.J.; and five grandchildren and three great grandchildren.

POC: SCOTT SAUNDERS, CEPA-MP, 202-761-0012

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TIMOTHY DEAN BUCKELEW

Timothy Dean Buckelew, age 64, passed away on Friday, January 11, 2002. He attended Moses-Brown and Brown University in Providence. Having earned a master's degree from the Yale University School of Forestry, he worked for nearly three decades as a hydrologist, beginning his career with the US Army Corps of Engineers helping design and implement cutting edge satellite technology for assessing river flooding. Most recently, he worked as a senior hydrologist for the National Weather Service in Taunton, where he worked on river flood modeling and forecasting. In 2001, he was awarded the Bronze Medal Award for scientific ingenuity by the US Department of Commerce. As much an artist as he was a scientist, he was known for his appreciation of aesthetics and architecture, his sense of humor and naturally inquisitive mind that challenged accepted theories. His diverse passions included traveling the world, stargazing, photography, art, music, woodworking, the outdoors, fishing, sailing and playing with gadgets of every description.

POC: NICK FORBES, CENAE-EP-E, 978-318-8885

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Dam Safety

DAM SAFETY 2002 CALL FOR ABSTRACTS

ASDSO invites all persons interested in safety of dams to submit abstracts of papers to be considered for presentation at the ASDSO 19th Annual Conference. The Conference will be held September 8-11, 2002 at the Saddlebrook Resort in Tampa Florida. Engineers, geologists, hydrologists, dam owners, state, local, and federal officials, industry representatives and others working in the field of dam safety are invited to share their experiences in all aspects of dam safety. Conference presentations are scheduled for 30 minutes each. Authors may choose from, but are not limited to the following general subject areas: (*Specific topics are suggested for guidance only*).

- Hydrology & Hydraulics -- Such as risk analysis/assessment, paleohydrology, PMF/PMP, overtopping, and spillways.
- Geotechnical Issues -- Such as grouting, rock anchors, liquifaction, slope stability analysis/design, seismic issues, seepage, and instrumentation/monitoring.
- Emergency Preparedness -- Such as security measures, flood warning systems, EAPs, Dambreak applications, and disaster mitigation.
- Dam Design & Rehabilitation -- Such as case studies in rehabilitation, (small dams case studies needed, including lessons learned), underwater operations, RCC, spillways, stabilization and instrumentation/monitoring.
- Dam Inspections --Such as outlet works, radial gates, dam owner experiences and solutions, and inspection techniques.
- Removal of Dams --Such as dam breach issues, innovative engineering and construction techniques, and environmental issues.
- Dam Safety Regulatory Programs --State programs, federal programs, public relations, and programs in other countries.
- Dam Owner Issues --Lake management, environmental issues, shoreline erosion, remote operations, public awareness, and public safety at dams.
- Dam Construction -- Such as environmental issues, contractor experiences, spillways, instrumentation/monitoring, and general case studies.
- General Information/Multi-Category -- Such topics as computer applications, current technical research, and model testing.

Guidelines for Submitting Abstracts -- *Please follow these easy steps:*

- Abstracts must be 200-300 words, typewritten in paragraph form, single-spaced. For clarity and ease of review, please use no smaller than a 10-point font.
- Submit abstracts and author information to ASDSO in one of the following ways:
  Mail ASDSO, 450 Old Vine Street 2nd Floor, Lexington, KY, 40507. Please enclose the completed Entry Form.
  Fax (859) 323-1958, please fax very clear, typewritten originals only, and attach the completed Entry Form.
  On Line You can submit an abstract at www.damsafety.org (go to "Conferences & Training")

Regardless of the form of submittal, you will receive an emailed acknowledgment of the receipt of your abstract.

- Abstract and paper titles should be short, but descriptive. Catchy titles, indicating benefits to the audience are encouraged.
- Please do not send supplemental materials (photos, articles or reports) with your abstract, these will not be seen by the program review committee.

Judging Procedures and Deadlines --

- All abstracts must be received by ASDSO or postmarked by February 15, 2002.
- The Conference Program Committee reviews all submittals. The ASDSO Board of Directors upon recommendation by the Program Committee approves abstracts for inclusion in the conference program.
- Proposals constituting sales pitches for products or services will not be considered.
- Announcements of selected papers will be made on April 1, 2002.
- In order to be published in the proceedings and presented at the conference, a draft of your paper must be submitted for peer review by a committee member by May 27, 2002. You will receive comments from your paper's peer reviewer, and the final camera-ready version of your paper will be due by July 22, 2002. Full papers are limited to 12 pages in length, including photos and graphics.
- Please note: Submitting final papers constitutes agreement that the author(s) will register for the conference at the appropriate fee, attend the conference and present their paper in person.

Further instructions for speaker preparation will be provided upon notification of a paper's acceptance.

POC: ROBERT BANK, CECW-EW, 202-761-42435

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EMERGENCY ACTION PLAN WORKSHOP 2002

Everything is now in place for the re-scheduled EAP Workshop..."EAP 2002".

The date is April 16-18, 2002. The location is the Holiday Inn Select, Niagara Falls, NY. The phone number for reservations: 1-800-953-2557, or 1-716-285-3361. Room rate: $61.00 single, $33.50 double (per person) + 11% tax and other applicable surcharges. (Reservations must be made no later than 3:00 PM on March 21, 2002.) Federal travelers should note that the Federal per diem rate for this time period is $55/night, but actual expenses may be claimed for conference attendance (check your travel offices for details). When making the reservations, please ask for the group code "FER" or you may say it is for the Federal Energy Regulation Commission meeting.

The workshop is still free, and the agenda is very similar (see attachment), however, we anticipate the following changes to be made:
The conference will be held from 8:00 AM to 5:15 PM on both Tuesday and Wednesday and will extend through Thursday morning to allow extra time for presentations/discussions regarding security.

The powerplant tour will be altered as only the Niagara Project (U.S. side) will be visited, which will occur on Thursday afternoon. We will have discussions about coordination of operations between the U.S. and Canada, however we anticipate that there would be substantial logistical difficulties passing through the border with large numbers of people from various countries, so we will not visit the Canadian side as a group.

Register for this workshop by sending your Name, Title, Organization, Address, Phone number, Fax number, and Email address to frank.calcagno@ferc.fed.us.

As the agenda is finalized, we will be sure to keep you informed. Please let me know if you have any questions or comments. Additional information about the workshop is available at http://www.ferc.gov/hydro/docs/eapconference.htm.

POC: ROBERT A. BANK, CECW-EW, 202-761-4243

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Information

CONTRACTING OFFICER REPRESENTATIVE COURSE

Buffalo District is host a 40-hour Contracting Officer Representative (COR) course offered by the Army Logistics Management College which will satisfy USACE Contracting education requirements for a COR designation and or refresher training which must be completed every three years.

The District has confirmed the course for the week of 25 February 2002 to 01 March 2002 for the course in the Buffalo, New York. **The located of the course will now be the Downtown Holiday Inn in Buffalo, New York.** We must guarantee 35 students, which makes the tuition $125 per person.

The Buffalo DDE has decided to proceed with this mandatory training, but because of our training budget situation, we will not use all the spaces. Therefore, please let Cheryl Michener know if you have anyone who needs this class and will attend. You can reach Cheryl by e-mail at Cheryl.A.Michener@usace.army.mil. The course is the Basic and Refresher Course.

POC: CHERYL A. MICHENER, CENAB-PE, 716-879-4211

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TEXAS ENGINEERS TASK FORCE ON HOMELAND SECURITY

Events of September 11, 2001 changed America's sense of security and raised issues regarding the nation's vulnerability to threats and acts of terrorism. While many states are still organizing an engineering effort on Homeland Security, the State of Texas has moved out with a Texas Engineers Task Force on Homeland Security.

To assess Texas' vulnerability and improve the state's readiness, Governor Rick Perry formed the Texas Task Force on Homeland Security and named General Land Office Commissioner David Dewhurst as its chairman. Dewhurst has formally requested the assistance of TSPE in gathering and interpreting technical information that can be utilized in responding to, or preventing, terrorist attacks in Texas.

On September 21, the TSPE Board of Directors authorized the formation of a statewide engineers task force for this purpose, now known as the Texas Engineers Task Force on Homeland Security. "As professional engineers, we are uniquely suited to help our state prepare for and prevent attacks against our domestic security," said TSPE President Thomas L. Paxson, P.E. "This TSPE Task Force is one important way that all engineers in Texas can lend their expertise to help protect our state highways, physical facilities, water sources and other infrastructure."

Paxson appointed Earnest F. Gloyna, Dr. Eng., P.E., DEE to chair the Texas Engineers Task Force on Homeland Security and Dan Wittliff, P.E. to serve as vice chair. Gloyna, a past president of TSPE and

former dean of the College of Engineering at the University of Texas at Austin, has extensive experience in addressing water problems, toxic waste management and other public health issues. "We are very fortunate to have engineers of the caliber of Dr. Gloyna willing to serve their profession and Texas in this capacity," Paxson said.

Wittliff, vice president and chief operating officer of Hydro Processing, LLC in Austin, is president-elect of TSPE and former chief engineer of the Texas Natural Resource Conservation Commission.

Task Force Mission -- The mission of the Texas Engineers' Task Force on Homeland Security is to provide technical assistance to the state task force on homeland security and to create an organization that can sustain such assistance for the long-term.

Task Force Goal -- The goal of the engineers' task force is to assemble the expertise of engineers and related experts in Texas into an organized entity capable of providing technical assistance and responding effectively to threats, acts of terrorism and natural disasters.

Response Teams -- To accomplish this mission and goal, the engineer's task force leadership developed five response teams. A director and two deputy directors head each of these teams. "Since given this charge by the TSPE Board of Directors, the leadership team has recruited the most qualified people available," Gloyna said. "These experienced people have the ability to lead, to develop operational policies and to provide effective oversight."

"These teams are charged with the task of developing policies that can be used to implement the building of a statewide response network," he said.

Additional background information on team leadership is available at the TSPE Web site at http://www.tspe.org.

POC: JIMMY D. BAGGETT, CESWF-EC, 817-886-1653

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JOB VACANCIES

Engineering and Construction Division have received the following job vacancies announcements.

Electrical Engineer, GS-0850-13, Seattle District, Corps of Engineers, Engineering/Construction Division, Design Branch, Electrical/Mechanical Section -- This position is open through 28 February 2002. For more information on this position contact Susan Smith-Anderson at (206) 764-3738 or email susan.l.smith-anderson@usace.army.mil.

Civil Engineer, Environmental Engineer, Hydrology, GS-0819/0810/1315-13, Portland District, Corps of Engineers, Engineering and Construction Division, Hydraulics, Hydrology and Geotechnical Design Branch, Section Chief of Reservoir Regulation and Water Quality Section -- This position is open through 28 February 2002. For more information on this position contact Ronald C. Mason at (503) 808-4870 or email ronald.c.mason@usace.army.mil.

Park Ranger, Civil Engineer, Electrical Engineer, Mechanical Engineer, Architect, Biologist (Interdisciplinary), GS-0025/0401/0810/0830/0850/0808-14, Sacramento District, Construction-Operations Division, Operations and Readiness Branch -- This position was scheduled to be advertised

on 11 February 2002. For more information on this position contact Karen L. Durham-Aguilera at (916) 557-7701 or email karen.l.durham-aguilera@usace.army.mil.

General Engineer, GS-0801-12, Japan District, Construction Division, Yokota Resident Officer, Yokota AB, Japan -- This position has been announced under number #53FC 049476 and the announcement is located at www.cpol.army.mil. For more information on this position contact Catheren B. Gill, P.E., Resident Engineer, Yokota AB, at DSN (315) 225-2935/7379 or email Catheren.B.Gill@usace.army.mil.

Program Manager, GS-0340-15, HQ, USACE, Programs Management Division, Eastern Programs Execution Branch -- This position has been announced under number #FL026398 and the announcement is located at www.cpol.army.mil. The position is open until 10 March 2002. For more information on this position contact Robert Vining at (202) 761-4100 or email robert.f.vining@usace.army.mil.

General Engineer, GS-0801-14, HQ, USACE, Engineering and Construction Division, Infrastructure Branch -- This position is on the Costs Engineering Team. The position has been announced under number #FL026313 and the announcement is located at www.cpol.army.mil. The position is open until 3 March 2002. For more information on this position contact Roy Braden at (202) 761-4966 or email roy.e.braden@usace.army.mil.

Architects, GS-0808-12, Engineering Team, Engineering and Construction Division, Europe District -- These positions have been announced under number #FV0202997 and the announcement is located at www.cpol.army.mil. These positions are open until 5 March 2002. For more information on these positions and other openings in the Europe District contact David Dale Maraquardt at 011-49-611-816-2300 or email david.d.marquardt@nau02.usace.army.mil.

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TEMPORARY JOB ASSIGNMENTS

Civil Engineer, GS-0810-12, Far East District, Construction Division, Quality Assurance Branch, Seoul, Korea -- A Civil Engineer is needed for 30 - 45 days to perform BCOE reviews, material and shop-drawing submittals reviews, and quality assurance visits. This request is not limited to individuals with construction experience. This is a great developmental assignment for anyone with a civil engineer background. The individual is needed by 1 March 2002. For more information on this position contact Rod Markuten at (808) 438-9737 or email rod.e.markuten@usace.army.mil.

Civil Engineer, GS-0810-13, Baltimore District, Construction Division, Central Washington Area Office -- The Baltimore District is involved in an extensive, high visibility program involving new school construction and the renovation of the District of Columbia Public Schools, Washington DC. This is a challenging program offering many opportunities for experienced employees on a very unique Support For Others mission. An immediate staffing need exists for a Resident Engineer for 90 - 120 TDY. A GS-13 Resident Engineer or a GS-13 Senior Project Engineer could fill the position. In addition to new school construction, work includes roofing, window replacements, painting, interior renovations, mechanical systems replacement, demolition and lead/ asbestos abatement. Interested individuals should respond by return email with a brief summary of experience/resume and period of availability to Patrick Sampsel (410) 962-6793 or email pat.sampsel@usace.army.mil.

Mechanical Engineer, GS-0830-13, Portland District, Hydroelectric Design Center, Central Branch -- This is a non-competitive promotion or lateral appointment, not to exceed 120 days. TDY may be authorized. If you are a mechanical engineer and are interested in a 120-day developmental assignment in hydropower design, contact Donald R. Chambers at (503) 808-4250 or email donald.r.chambers@usace.army.mil by 8 March 2002.

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Upcoming Regional and National Meetings and Conferences

TAILINGS DAMS 2002

The Tailings Dams 2002 Conference, sponsored by the Association of State Dam Safety Officials (ASDSO) and the US Society on Dams (USSD) will be held April 29-May 1, 2002 at the Orleans Hotel in Las Vegas, Nevada. This specialty conference will address the special problems related to the safe operations and maintenance of tailings dams.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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NATIONAL HYDROPOWER ASSOCIATION ANNUAL CONFERENCE

Program information and on-line registration for "Powering Ahead: Meeting Today's Energy Challenges", the National Hydropower Association 2002 Annual Conference, are available by clicking to the NHA Conferences website. While April 2002 may seem like a long way, savings begin today!!! The 2002 Annual Conference offers an exciting array of sessions and networking opportunities that may be critical to your company's success. With the Bush Administration settling in and energy legislation teed up, 2002 will be ripe for policy changes both in the near and long-term. The conference will provide an opportunity to hear from, and interact with, key legislative and regulatory leaders and to discuss likely changes in environmental and energy issues as they relate to the hydro industry. Attendees will also have the chance to meet with other industry professionals and enhance their own business opportunities. Go on line and sign up today!

The 2002 Annual Conference will be held April 21-24, 2002, at the Capital Hilton Hotel in Washington, DC.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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2ND NATIONAL FLOODPROOFING CONFERENCE

Association of State Floodplain Managers brings the Second National Floodproofing Conference to Tampa, Florida, March 25-29, 2002. This conference will build on the first national floodproofing conference held in 1999 in Baton Rouge, Louisiana. The various approaches to floodproofing will be presented as well as methods, techniques, products and program changes that have been developed over the past three years. The conference will focus on floodproofing techniques, materials, floodproofing and elevation contractors, current issues and programs as well as the various means of funding floodproofing projects. This conference will be of special importance to engineers, architects, governmental representatives from all levels of government (with special focus on local government)

building officials, floodplain managers, mitigation officers, floodproofing materials suppliers and manufacturers and floodproofing service providers. These individuals, as well as representatives from the banking, insurance and real estate industries, are invited to submit presentation summaries for consideration.

The technical conference runs Tuesday, March 26 through Thursday, March 28, 2002. The program will include a flood insurance forum on Thursday. Workshops and short courses or seminars will be offered Monday and Friday. Conference information, registration, presentation summary forms and exhibitor registration forms and information will be published on the ASFPM website http://www.floods.org and in the Conference Brochure. Contact the ASFPM Executive Office at asfpm@floods.org or (608) 274-0123 to get the full brochure and for general questions related to the conference. Program related questions may be directed to the conference director Wallace Wilson at wilsonconsulting@worldnet.att.net.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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Training

DYNAMICS OF PUBLIC POLICY

This seminar focuses on the political, social, economic, and cultural environment in which U.S. public policy is initiated, developed, and implemented. It examines the major policy-making institutions as well as non-governmental organizations whose dynamic interaction shapes policy. Participants acquire both background knowledge and practical experience through a highly interactive public policy simulation exercise.

Who Should Attend: Managers and administrators at GS-14 and above or equivalent who are involved in the development and/or implementation of public policy or who are designated to serve in staff or liaison roles.

Dates: March 4 - 15, 2002

Location: Eastern Management Development Center, Shepherdstown, WV

Contact EMDC today for space availability (304) 870-8008, or learn more about this seminar at http://www.leadership.opm.gov/np51.html.

POC: CHARLES M. PEARRE, CECW-EIS, 202-761-4645

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LEADERSHIP SKILLS FOR NON-SUPERVISORS AND NON-MANAGERS

This is an intensive one week program designed to meet the needs of individuals who are not currently in supervisory or managerial positions but who take on key leadership roles as analysts, project managers, technical specialists, and in high-level professional roles. This program also serves as an excellent follow-up to the Leadership Potential Seminar.

Key Results
- Learn effective models for leadership success

- Understand the importance of personal influence
- Learn values-based leadership practices
- Acquire the skill of group facilitation
- Increase learning tactics potential
- Learn the art of true interpersonal dynamics
- Learn to influence others without formal authority

Who Should Attend: Technical specialists, analysts, project leaders, and professional staff who are currently not supervisors or managers but wish to learn more about increasing their leadership abilities. This program is also an excellent follow-up for individuals who have attended the two-week Leadership Potential Seminar (LPS).

Dates: March 24-29, 2002

Location: Western Management Development Center, Denver, CO

Contact WMDC today for space availability (304) 870-8008 or learn more about this seminar at http://www.leadership.opm.gov/fs28.html.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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COUNTERINTELLIGENCE SEMINAR

This is a New Five Day Program Presented by The Eastern Management Development Center, U. S. Office of Personnel Management, and The Center for Human Reliability Studies, Oak Ridge Associated Universities. The seminar is scheduled for April 1-5, 2002.

Background: The recent arrest of FBI agent Robert Phillip Hanssen, who is accused of spying for the Russians for over 15 years, is the latest in a series of espionage cases that have been uncovered since the end of the cold war. In most cases the person accused began spying before the fall of the Soviet Union and then continued spying for the Russian government.

During this five-day program participants have an opportunity to discuss the major spy cases of the past decade with experts from the intelligence and counter-intelligence community. Cases that will be covered include Walker, Pelton, Ames, Trofimoff and Hanssen. In addition, participants will spend a day at a "mock" KGB Spy School under the instruction of former KGB Colonel Valentine Aksilenko. Colonel Aksilenko ran one of the most successful economic espionage operations against the United States in the 1980s and was subsequently promoted to KGB's Chief of the North American Division.

Objectives: As a result of attending this seminar, participants will have a better understanding of the current espionage threat, the factors that motivate spies, and how they are detected. They will also learn more about counter-intelligence investigations and prosecution of espionage cases.

Who Should Attend This Seminar: Managers from agencies whose mission includes intelligence and counter-intelligence activities should attend this program and from other government agencies that are targeted for economic espionage and other information espionage. Almost every United States government department, agency and office has information that could be of value to a foreign government or a multinational corporation.

Nominations: Nominations for the seminar should be sent to: MDC National Sales Office (304) 870 8008 or email register@opm.gov.

Location: Eastern Management Development Center, Shepherdstown, WV

For further information contact Bill Cristy, 304-870-8025 or email becristy@opm.gov.

Learn more about this seminar at http://www.leadership.opm.gov/espionage.html.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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Open Discussion and Comments

No items for discussion were received this month.

(Editors' note: If you want to share your thoughts with our readers regarding a subject of general interest, send an email to the E&C News editor at charles.pearre@usace.army.mil. A synopsis of your comments will be published next time).

Editors' Notes

FUTURE THEMES

Future regular issues of the Engineering and Construction News will be issued every two months; with special issues published as needed. The themes for the next five issued of the News are listed below for your information and use in preparing articles for submission to the News.

April- May 2002	Knowledge Management Efforts/Redesigned E&C Web Page
June-July 2002	Design/Construction Awards Programs
August-September 2002	Sustainable Design and Development
October-November 2002	E&C Technical Capability Assessments

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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SUBSCRIBE TO ECNEWS

Engineering and Construction News uses a subscription list on the Corps List Server. The name of the list is LS-ECNEWS. The purpose of the list is to distribute the Engineering and Construction community newsletter, *Engineering and Construction News*.

You can subscribe or unsubscribe to LS-ECNEWS by sending an e-mail message to majordomo@ls.usace.army.mil with no subject line and only a single line of text in the message body. That single line of text should have the following format: **subscribe ls-ecnews** or **unsubscribe ls-ecnews**. The List Server system will automatically pick up your originating e-mail address from the message and add it to or delete it from the distribution list.

If you have any questions about the list server, see the List Server E-Mail Delivery System web page at http://eml01.usace.army.mil/other/listserv.html. Or you may contact Charles Pearre if you have additional questions on the subscription list.

POC: CHARLES PEARRE, CECW-EIS, 202-761-4645

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